

AGWA won't recognize my LUT

Posted by karrez - 2008/10/06 20:53

i must have missed something rather elementary because i can't get AGWA to recognize my LUT in the landuse and soil parameterization window. i initially tried a GAP landcover grid, then later tried a MRLC grid because i was unsure about the GAP lookup table format. For the MRLC lut, i used the example provided in AGWA2datafiles\lc_lutLC_lookup so there shouldn't be any issues there. am i correct in my assumption that the only data i need in the raw lut to run is the value and cover name, and AGWA2 plugs the rest in during parameterization based the soil data? i am using SSURGO soil data by the way.

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Re:AGWA won't recognize my LUT

Posted by karrez - 2008/10/16 19:58

i realized the problem; when i manually added the IMPERV field to my table(which was missing by the way from the LC_lut table example provided in the downloadable datafiles directory from this website) it displayed in the landcover and soil parameterization window as it should. i still get a message similar to "landcover failure" or "landcover parameterization failure" when i run the parameterization however. any thoughts?

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Re:AGWA won't recognize my LUT

Posted by karrez - 2008/10/21 19:47

the problem here was that the field-types in my lookup table dbf weren't what they needed to be; they were all text (again, i think this is due to the format of the sample LC_lut provided by AGWA for us to copy. i solved this problem by manually creating the fields in Arc and specifying the desired field type. The soil and landuse parameterization process executed, but my A,B,C,D,COVER,INT,N, and, IMPERV fields were not populated as i though they would be. is this something i have to do myself prior to parameterization? the 2.0 manual was ambiguous on this subject.

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Re:AGWA won't recognize my LUT

Posted by isburns - 2008/10/21 20:22

Sorry that thus far you've had to figure out all your questions by yourself, I was out of town last week and too busy to respond the week before.

Anyway, AGWA does not populate any values in the table for you. Rather, it queries the values in the populated table to parameterize the model elements.

I think you may be unintentionally creating more work for yourself by creating these tables. If you can

use the MRLC grid, just use the appropriate (1992 or 2001) MRLC look-up table we provide in the Downloads section of the website. If you're using a custom land cover grid, just edit the CLASS field in an existing look-up table (MRLC, NALC or SWGAP) such that the classes in the edited look-up table match the classes in your GRID.

I'm not entirely sure I understand, so if I missed the point let me know.

Shea

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Re:AGWA won't recognize my LUT

Posted by karrez - 2008/10/21 22:31

i see. yes i was creating more more work for myself than was necessary. i had looked at the lc_luts downloads before and just thought they were the same as was included in the datafiles included in the general AGWA2 download. not a big deal though. except, now that i have already ran the parameterization with an incomplete self-created lut, my subbasin geodatabase now has faulty data based on those empty fields correct?

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Re:AGWA won't recognize my LUT

Posted by isburns - 2008/10/22 23:04

Yes it will have the faulty data but you can perform the parameterization over again and it will overwrite the data.

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